5

- Arrangement according to claim 1 or 2, characterized in that the switching unit (VM-R) comprises means for the communication of the data packets
   between internal communication terminal devices (KE3, KE\$) connected to the communication system (PBX) and the local network (LAN), and
   between external terminal devices that are connected to further interconnected communication systems (KW1, KE2) forming a communication network and the local network (LAN).
- 4. Arrangement according to one of the preceding claims, characterized in that the communication network (KO) is a digital or an analog communication network.
  - 5. Arrangement according to claim 4, characterized in that the communication network (KO) is a line-bound and/or a radio communication network.
- 6. Arrangement according to one of the preceding claims, characterized in that an LAN identifier information (mac) serving for the identification of the data network interface (LANS) within the local data network (LAN) is stored in a non-volatile memory (PROM) arranged on the network switching unit (IGATE); a logical network identifier information (ipag) for identifying the data network interface (LANS) and communication terminal devices connected to the local data network (LAN) is stored in a first sub-area (SP1) of a memory arranged on the network switching unit (IGATE); and a communication network identifier information (rnw) for the identification of the network switching unit (IGATE) within the communication network (KO) is stored in a second sub-area (SP2) of the memory (SPF).
- 7. Arrangement according to claim 6, characterized in that
  the LAN identifier information (mac) is an interface-related LAN address whose presence is standard;

15

20

25

the logical network identifier information (ipag) is an Internet protocol address whose presence is standard; and the communication network identifier information (rnw) is a communication network telephone number.

- 5 8. Arrangement according to claim 6 or 7, characterized in that further logical network identifier information (ipe1,...,ipek) of further local data networks are stored in a third sub-area (SP3) of the memory (SPF); and further communication network identifier information (rn1, ..., rnk) are stored in a fourth sub-area (SP4) of the memory (SPF), whereby a further logical network identifier information (ipe1, ..., ipek) and a further logical communication network identifier information (rn1, ..., rnk) are respectively allocated to one another.
  - 9. Arrangement according to claim 8, characterized in that, for the communication of data packets via the communication network (KO), the network switching unit (IGATE) comprises a further conversion unit (KNK-R) for converting the logical network identifier information (ipe1, ..., ipek) into a communication network identifier information (rn1, ..., rnk).
  - 10. Arrangement according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises a security unit (FWALL) for checking the routing information communicated to the network switching unit (IGATE) in view of an admissibility for a communication connection between the source and destination means identified by an appertaining routing information.
  - 11. Arrangement according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises a protocol unit (PROT) for protected and/or transmission protocol-conforming communication of data packets dependent on a selected transmission protocol.